Date: Sat, 22 May 93 04:30:02 PDT
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>
Errors-To: Packet-Radio-Errors@UCSD.Edu
Reply-To: Packet-Radio@UCSD.Edu
Precedence: Bulk
Subject: Packet-Radio Digest V93 #142
To: packet-radio

Packet-Radio Digest   Sat, 22 May 93   Volume 93 : Issue 142

Today's Topics:
(none)
DRSI Brand TNC & High Baud Question
FCC Frequencies & Regulations (Amateur)
Internet to Packet gateway (5 msgs)
Yapp software wanted

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 21 May 93 14:42:15 GMT
From: news-mail-gateway@ucsd.edu
Subject: (none)
To: packet-radio@ucsd.edu

help

Date: Thu, 20 May 93 21:33:11 MST
From: cs.utexas.edu!asuvax!ennews!stat!aznet!dan@uunet.uu.net
Subject: DRSI Brand TNC & High Baud Question
To: packet-radio@ucsd.edu

BONCZEK@hsdwl.utc.COM (Source Quality Engineering) writes:

> Does anyone have any experience with a new brand of TNC brand name called
> DRSI? There prices seem very reasonable. The DPK-2, which seems to be a

> KPC-2 clone is $114.95 in the catalog.
>
> I also see a TNC that advertised as 4800, 9600 & 19,200 baud. Is this for normal Packet operation. Or is this for backbone systems?
>
> Thanks in advance...
>

Yes, I have had experience with the DRSI TNC that you speak of. DRSI has been around for quite some time now, so their not new to the packet streets. The DPK-2 is a TNC2 Clone, not a KPC-2 clone, quite a difference I might add. A TNC2 clone is from your old TAPR TNC2 days, that now folks like MFJ are still cloning with their MFJ-1274's and 1270's...

---
Internet: dan@aznet.stat.com
Ax.25: n7mrp@n7mrp.az.usa.na
Voice: (602) 956-2566

Date: 22 May 1993 05:06:03 +0800
From: munnari.oz.au!uniwa!DIALix!not-for-mail@tcgould.tn.cornell.edu
Subject: FCC Frequencies & Regulations (Amateur)
To: packet-radio@ucsd.edu

I'm a licenced radio amateur in Australia and travelling to the USA. Can anyonE give me any help with frequency allocations and restrictions for operation. I know I have to fill out a 610A application, but would like some general info on spectrum allocation etc.

Any and all info greatfully received.

--
:w

Date: Thu, 20 May 93 15:43:08 GMT
From: netcomsv!netcom.com!netcomsv!bongo!skyld!jangus@decwrl.dec.com
Subject: Internet to Packet gateway
To: packet-radio@ucsd.edu

In article <C7A9sq.MnI@mv.mv.com> Marc@Synergytics.Com writes:

> Am I simply mis-informed? How do the other maintainers of gateways deal
> with this? Has anybody else considered an Internet/packet bridge and if

> so, is it up and running, or why didn't you go through with it?

I run an internet e-mail <==> Amateur Packet BBS <==> Amateur tcp/ip mail gateway. My users all follow a single guideline. "Don't do anything that will result in the SYSOP showing up on their doorstep at 3 AM with a 12 gauge shotgun and a copy of an FCC NAL."

It has been in operation for over a year without any problems other than a local buffoon that tried to upload a 30K file as a Packet BBS message.

J. Angus: jangus@skyld.tele.com -- "Als ik Kan", Gustav Stickley
US Mail: PO Box 4425 Carson, CA 90749-4425 1 (310) 324-6080

Date: Thu, 20 May 93 16:35:16 MST
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!usc!cs.utexas.edu!asuvax!ennews!stat!david@network.UCSD.EDU
Subject: Internet to Packet gateway
To: packet-radio@ucsd.edu

marc@Synergytics.Com (Marc Evans) writes:

> Am I simply mis-informed? How do the other maintainers of gateways deal with
> this? Has anybody else considered an Internet/packet bridge and if so, is it
> up and running, or why didn't you go through with it?

I have been running one for almost 2 years now ... I manually screen each message, it is a pain, but alot of people use it, and I'm happy to do so.

david, wb7tpy

---
Internet: david@stat.com FAX: +1 (602) 451-6135
Bitnet: ATW1H@ASUACAD FidoNet=> 1:114/15
Amateur Packet ax25: wb7tpy@wb7tpy.az.usa.na

Date: Fri, 21 May 1993 10:28:00 GMT
From: agate!howland.reston.ans.net!gatech!emory!sol.ctr.columbia.edu!news.kei.com!ub!acsu.buffalo.edu!ubvmsb.cc.buffalo.edu!oopdavid@ames.arpa
Subject: Internet to Packet gateway
To: packet-radio@ucsd.edu

In article <737912588snx@skyld.tele.com>, jangus@skyld.tele.com (Jeffrey D. Angus) writes...
>
>In article <C7A9sq.MnI@mv.mv.com> Marc@Synergytics.Com writes:

>
> > Am I simply mis-informed? How do the other maintainers of gateways deal
> > with this? Has anybody else considered an Internet/packet bridge and if
> > so, is it up and running, or why didn't you go through with it?
>
> I run an internet e-mail <==> Amateur Packet BBS <==> Amateur tcp/ip mail
> gateway. My users all follow a single guideline. "Don't do anything that
> will result in the SYSOP showing up on their doorstep at 3 AM with a 12
> gauge shotgun and a copy of an FCC NAL."
>

I have been interested in TCP/IP for some time. Is there a good written primer of concerning this activity available? There is no one locally to ask such elementary questions. Thanks.

Dave (KN2M)

> It has been in operation for over a year without any problems other than
> a local buffoon that tried to upload a 30K file as a Packet BBS message.
>
>J. Angus: jangus@skyld.tele.com -- "Als ik Kan", Gustav Stickley
>US Mail: PO Box 4425 Carson, CA 90749-4425 1 (310) 324-6080

Date: 21 May 93 21:43:06 GMT
From: ogicse!das-news.harvard.edu!noc.near.net!mv!synergy.Synergytics.Com!marc@network.UCSD.EDU
Subject: Internet to Packet gateway
To: packet-radio@ucsd.edu

In article <C7Dy4C.49o@dptspd.sat.datapoint.com>, jks@daneel.uthscsa.edu writes:
|> I started and ran the San Antonio gateway for about a year before handing it
|> to N5LYT....
|> [...]
|> Marc, DO IT!...

Well, there is little question that I am going to do *something*. The question is now details, such as what freq's and speeds are best? Which of my machines will best host NOS (careful, all I have are non-intel u*ix machines currently, though an Alpha running NT is on its way here). I have a desire to get up on a 19.2k bandwidth connection, but from my roaming around, I don't think that I would be providing much of a service due to lack of connectivity with the bulk of the packet community. 9600 is probably the slowest I would want to go, but then again, I would be the one using it, other would.

Any suggestions as to equipment and connectivity for the southern NH area?

Thanks in advance - Marc

```
--
===========================================================================
Marc Evans - Marc@Synergytics.COM           | Synergytics     (603)635-8876
WB1GRH     - WB1GRH@WA1YTW.NH.USA           | 21 Hinds Ln, Pelham, NH 03076
---------------------------------------------------------------------------
                      Unix and X11 Software Consultant
===========================================================================
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Date: 21 May 93 16:36:10 GMT
From: sdd.hp.com!swrinde!dptspd!news@hplabs.hpl.hp.com
Subject: Internet to Packet gateway
To: packet-radio@ucsd.edu

In <C7DoKB.7Io@mv.mv.com> marc@Synergytics.Com (Marc Evans) writes:
<stuff deleted>

```
> The methods are:
>
>      1) The "trust" method. This is employed by gateways that simply provide
>         a bridge for packets to move from Packet to the Internet, typically,
>         using NOS. Users of these gateways are "trusted" to do-the-right-
>         thing. Connection originating on the Internet are NOT permitted to
>         go through the gateway onto Packet.
```

I started and ran the San Antonio gateway for about a year before handing it to N5LYT.... I found the "twisted pair" BBS method of real name registration along with callbook info was all I needed to exert control... The ability to limit user access to features is built in to NOS. Also nice is the "firewall" using "ip access <address> <accept|deny> <port #> that prevents use in any direction of certain services. The knowlege that abuse == elimination was the best control mechanism around. The added nicety of having a "BBS" type port for non-ip users added to the desirability factor....

Result: San Antonio has an active group of TCP/IP packeteers and is now adding a 19.2K link frequency for high speed TCP/IP use only....

Marc, DO IT!...

```
*********************************************************************
* Jack Spitznagel                   * As a curmudgeon, I speak for  *
* Internet: jks@giskard.uthscsa.edu * no man, everyman, and my      *
* AMPRNet:  kd4iz@kd4iz.ampr.org    * opinions are none of your     *
* CIS:      76044,476               * business. Those I will gladly *
* Tel:      (210) 567-6616          * share. All else is random.    *
* Foot:      29.41'N 98.38'W        * (C) 1993                      *
*********************************************************************
```

Date: Fri, 21 May 1993 15:28:07 GMT
From: noc.near.net!lynx!sehrlich@uunet.uu.net
Subject: Yapp software wanted
To: packet-radio@ucsd.edu

Greetings.

Could anyone please direct me to any FTP site carrying YAPP software for the PC?

Thank you much.

Direct replies preferred. I will summarize if requested.

```
--
===============================================================================
| Scott Ehrlich          Internet: wy1z@world.std.com                  |
| Amateur Radio: wy1z          Packet Radio: wy1z@k1ugm.ma.usa.na
           |
===============================================================================
```

Date: 21 May 1993 09:35:28 -0700
From: news.cerf.net!pagesat!olivea!apple.com!apple.com!not-for-mail@network.UCSD.EDU
To: packet-radio@ucsd.edu

References <C7A9sq.MnI@mv.mv.com>, <737912588snx@skyld.tele.com>, <C7DGzI.H2@acsu.buffalo.edu>
Subject : Intros to NOS (was Re: Internet to Packet gateway)

In article <C7DGzI.H2@acsu.buffalo.edu> oopdavid@ubvmsb.cc.buffalo.edu (D.RODMAN) writes:

> I have been interested in TCP/IP for some time. Is there a good
> written primer of concerning this activity available? There is
> no one locally to ask such elementary questions. Thanks.

1. Gary Ford's introductory document (about 50-60 pages) is available via anonymous FTP from ftp.eecs.ucdavis.edu in the /pub/ka9q directory. It's available in PostScript and non PostScript versions. Grab the readme file first to find out about the various files in the directory.

2. Ian Wade's _NOSIntro_ book is available from the ARRL and TAPR, as

well as directly from Ian. Last I saw, there was also one copy on the shelf at the Cupertino outlet of Computer Literacy. :-)

Patty

--

```
    ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
    ::   Patty Winter N6BIS        Internet: winter@apple.com  ::

    ::   Sunnyvale, California          AMPRNet: 44.4.4.50
    ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
```

Date: 21 May 1993 09:24:17 -0700
From: news.cerf.net!pagesat!olivea!apple.com!apple.com!not-for-mail@network.UCSD.EDU
To: packet-radio@ucsd.edu

References <737912588snx@skyld.tele.com>, <C7DGzI.H2@acsu.buffalo.edu>, <C7DoKB.7Io@mv.mv.com>
Subject : Re: Internet to Packet gateway

In article <C7DoKB.7Io@mv.mv.com> Marc@Synergytics.Com writes:

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>Ok, so from what I can gather based on various postings and E-Mail sent directly
>to me, there are 2 methods being used to connecting the Internet with Packet.
>The methods are:
>
>    1) The "trust" method. This is employed by gateways that simply provide
>       a bridge for packets to move from Packet to the Internet, typically,
>       using NOS. Users of these gateways are "trusted" to do-the-right-
>       thing. Connection originating on the Internet are NOT permitted to
>       go through the gateway onto Packet.
>
>    2) The "screen" method. This is employeed by gateways that only provide
>       E-Mail pass-through between Packet and the Internet. Messages going
>       from Packet to the Internet go without reguard to content, while
>       messages going from the Internet to Packet are read by a human and
>       forwarded only upon acceptance by the sysop.
```

Marc--

You must have missed the postings that a couple of other people and I made about the N0ARY gateway, in which hams (and they must be hams) who want to send messages from the Internet to the PBBS system register with N0ARY so that he knows who they are and can verify that they are licensed hams. From

then on, their messages travel freely through his gateway; there are no
delays for human screening.

Patty

p.s. I've maintained the default worldwide distribution on this followup
message, but are U.S. rules of interest to those of you in other countries?

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    :::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
    ::   Patty Winter N6BIS        Internet: winter@apple.com  ::

    ::   Sunnyvale, California          AMPRNet: 44.4.4.50
    :::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::

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Date: 21 May 93 21:37:45 GMT
From: ogicse!das-news.harvard.edu!noc.near.net!mv!synergy.Synergytics.Com!
marc@network.UCSD.EDU
To: packet-radio@ucsd.edu

References <C7DGzI.H2@acsu.buffalo.edu>, <C7DoKB.7Io@mv.mv.com>,
<1tivnh$4em@apple.com>p
Reply-To : Marc@Synergytics.Com
Subject : Re: Internet to Packet gateway

In article <1tivnh$4em@apple.com>, winter@apple.com (Patricia Winter) writes:
|> You must have missed the postings that a couple of other people and I made
|> about the N0ARY gateway, in which hams (and they must be hams) who want to
|> send messages from the Internet to the PBBS system register with N0ARY so
|> that he knows who they are and can verify that they are licensed hams. From
|> then on, their messages travel freely through his gateway; there are no
|> delays for human screening.

Thanks for pointing out, though I must admit that I brushed that idea aside
because I can think of too many ways for abuse in that situation (a non-ham
could easily send a message through such a connection, provided they new what
header lines of the message needed to be faked).

```
- Marc
--
===========================================================================
Marc Evans - Marc@Synergytics.COM          | Synergytics     (603)635-8876
WB1GRH     - WB1GRH@WA1YTW.NH.USA          | 21 Hinds Ln, Pelham, NH 03076
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                      Unix and X11 Software Consultant
===========================================================================
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Date: Fri, 21 May 1993 13:09:47 GMT
From: noc.near.net!mv!synergy!marc@uunet.uu.net
To: packet-radio@ucsd.edu

References <C7A9sq.MnI@mv.mv.com>, <737912588snx@skyld.tele.com>,
<C7DGzI.H2@acsu.buffalo.edu>
Reply-To : Marc@Synergytics.Com
Subject : Re: Internet to Packet gateway

Ok, so from what I can gather based on various postings and E-Mail sent directly to me, there are 2 methods being used to connecting the Internet with Packet. The methods are:

1) The "trust" method. This is employed by gateways that simply provide a bridge for packets to move from Packet to the Internet, typically, using NOS. Users of these gateways are "trusted" to do-the-right-thing. Connection originating on the Internet are NOT permitted to go through the gateway onto Packet.

2) The "screen" method. This is employeed by gateways that only provide E-Mail pass-through between Packet and the Internet. Messages going from Packet to the Internet go without reguard to content, while messages going from the Internet to Packet are read by a human and forwarded only upon acceptance by the sysop.

Option 1 is the closest to what I would like to provide, though the restriction of allowing connections to only be established from the Packet side I had hoped could be worked around in some fashion. Option 2 provides the best security against FCC issues, but really limits the features and timeliness of messages.

So, now that I am gaining a better understanding of what the options are that are actually being used, I will proceed with determining what form of gateway I will provide... The bottom line; I hope to have a gateway functional here in New Hampshire *soon*.

- Marc

```
--
===========================================================================
Marc Evans - Marc@Synergytics.COM          | Synergytics     (603)635-8876
WB1GRH     - WB1GRH@WA1YTW.NH.USA          | 21 Hinds Ln, Pelham, NH 03076
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                      Unix and X11 Software Consultant
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End of Packet-Radio Digest V93 #142
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